

Certificate of Mailing	
Date of Deposit <u>April 5, 2001</u>	Label Number: <u>EL509049565US</u>
I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.	
<u>Guy E. Beardsley</u> Printed name of person mailing correspondence	<u>Guy E. Beardsley</u> Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vassilis I. Zannis et al. Art Unit: Not Yet Assigned
Serial No.: Not Yet Assigned Examiner: Not Yet Assigned
Filed: April 5, 2001 Customer No.: 21559
Title: COMPOUNDS AND METHODS FOR LOWERING CHOLESTEROL
LEVELS WITHOUT INDUCING HYPERTRIGLYCERIDEMIA

Assistant Commissioner For Patents
Washington, DC 20231

SUBMISSION OF SEQUENCE STATEMENT

In order to complete the application, the applicant encloses:

- ☒ An initial paper copy of the sequence listing Applicant hereby requests that it be entered into the specification by insertion at the end of the application.
- ☒ An initial copy of the sequence listing in computer readable form.
- ☒ A statement that the contents of the paper and computer readable copies are the same and contain no new matter.

If there are any charges, or any credits, please apply them to Deposit Account

No. 03-2095.

Respectfully submitted,

Date: April 5, 2001

Paul T. Clark
Reg. No. 30,162

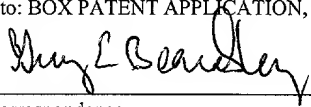
Clark & Elbing LLP
176 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045

\\NTSERVER\documents\07180\07180.004003 Submission of sequence listing.wpd



21559

PATENT TRADEMARK OFFICE

Certificate of Mailing	
Date of Deposit <u>April 5, 2001</u>	Label Number: <u>EL509049565US</u>
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<u>Guy E. Beardsley</u> Printed name of person mailing correspondence	 Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Vassilis I. Zannis et al.	Art Unit:	Not Yet Assigned
Serial No.:	Not Yet Assigned	Examiner:	Not Yet Assigned
Filed:	April 5, 2001	Customer No.:	21559
Title:	COMPOUNDS AND METHODS FOR LOWERING CHOLESTEROL LEVELS WITHOUT INDUCING HYPERTRIGLYCERIDEMIA		

Assistant Commissioner For Patents
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. § 1.821

As part of the patent application filed herewith, enclosed is a sequence listing in accordance with the requirements of 37 C.F.R. §§ 1.821 through 1.825 and consisting of 14 pages.

As required by 37 C.F.R. § 1.821(c), the sequence listing appears as a separate part of the application and is found after the Combined Declaration and Power of Attorney. Each sequence in the application appears separately in the sequence listing. And each sequence in the sequence listing is assigned a separate sequence identifier.

As required by 37 C.F.R. § 1.821(d), the sequence identifiers are used throughout the application description and claims to refer to their respective sequences.

As required by 37 C.F.R. § 1.821(e), enclosed is a diskette containing a copy of the sequence listing in computer readable form.

07180/004003

As required by 37 C.F.R. § 1.821(f), I hereby state that the contents of the computer readable form are the same as the contents of the paper copy.

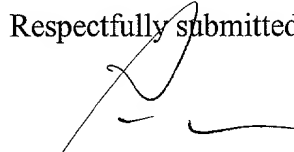
As required by 37 C.F.R. § 1.821(g), I hereby state that this submission contains no new matter.

If there are any charges, or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date:

April 5, 2001



Paul T. Clark
Reg. No. 30,162

Clark & Elbing LLP
176 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045

\\NTSERVER\documents\07180\07180.004003 Sequence Statement.wpd



21559

PATENT TRADEMARK OFFICE

SEQUENCE LISTING

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Kypreos, Kyriakos E.

<120> Compounds and methods for lowering
cholesterol levels without inducing hypertriglyceridemia

<130> 07180/004003

<150> US 09/679,088

<151> 2000-10-04

<150> US 09/544,386

<151> 2000-04-06

<160> 19

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Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala	Val	Gly
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Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu Gly Gln
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Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala	Glu	Ala	
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agccggaccc	gcgaccgcct	ggacgagggtg	aaggagcagg	tggcggaggt	gcgcgccaag	840
ctggaggagc	aggcccagca	gatacgctg	caggccgagg	ccttccaggc	ccgcctcaag	900
agctggttcg	agcccctggt	ggaagacatg	cagcgccagt	gggcccggct	ggtggagaag	960
gtgcaggctg	ccgtgggcac	cagcgccgcc	cctgtgccca	gcgacaatca	ctgaacgccg	1020

aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgccctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<210> 9
 <211> 1156
 <212> DNA
 <213> Homo sapiens

<400> 9						
cgcagcggag	gtgaaggacg	tccttcccca	ggagccgact	ggccaatcac	aggcaggaag	60
atgaaggttc	tgtgggctgc	gttgctggtc	acattcctgg	caggatgcca	ggccaagggtg	120
gagcaagcgg	tggagacaga	gccggagccc	gagctgcgcc	agcagaccga	gtggcagagc	180
ggccagcgct	gggaactggc	actgggtcgc	ttttgggatt	acctgcgctg	ggtgcagaca	240
ctgtctgagc	aggtgcagga	ggagctgctc	agctcccagg	tcaccagga	actgagggcg	300
ctgatggacg	agaccatgaa	ggagttgaag	gcctacaaat	cggaactgga	ggaacaactg	360
accccgggtg	cggaggagac	gcgggcacgg	ctgtccaagg	agctgcaggc	ggcgcaggcc	420
cggctggggc	cggacatgga	ggacgtgtgc	ggccgcctgg	tgacgtaccg	cggcgagggtg	480
caggccatgc	tcggccagag	caccgaggag	ctgcccgtgc	gcctcgcttc	ccacctgcgc	540
aagctgcgta	agcggctcct	ccgcgatgcc	gatgacctgc	agaagtgcct	ggcagtgtac	600
caggccgggg	cccgcgaggg	gcgcgagcgc	ggcctcagcg	ccatccgcga	gcgcctgggg	660
cccctggttg	aacagggccg	cgtgcggggc	gccactgtgg	gctccctggc	cggccagccg	720
ctacaggagc	gggcccaggc	ctggggcgag	cggctgcgcg	cgcggatgga	ggagatgggc	780
agccggaccc	gcgaccgcct	ggacgagggtg	aaggagcagg	tggcggagggt	gcgcgccaag	840
ctggaggagc	aggcccagca	gatacgcttg	caggccgagg	ccttccaggc	ccgcctcaag	900
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gtgcaggctg	ccgtgggcac	cagcgccgcc	cctgtgccca	gcgacaatca	ctgaacgccg	1020
aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgccctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<210> 10
 <211> 1156
 <212> DNA
 <213> Homo sapiens

<400> 10						
cgcagcggag	gtgaaggacg	tccttcccca	ggagccgact	ggccaatcac	aggcaggaag	60
atgaaggttc	tgtgggctgc	gttgctggtc	acattcctgg	caggatgcca	ggccaagggtg	120
gagcaagcgg	tggagacaga	gccggagccc	gagctgcgcc	agcagaccga	gtggcagagc	180
ggccagcgct	gggaactggc	actgggtcgc	ttttgggatt	acctgcgctg	ggtgcagaca	240
ctgtctgagc	aggtgcagga	ggagctgctc	agctcccagg	tcaccagga	actgagggcg	300
ctgatggacg	agaccatgaa	ggagttgaag	gcctacaaat	cggaactgga	ggaacaactg	360
accccgggtg	cggaggagac	gcgggcacgg	ctgtccaagg	agctgcaggc	ggcgcaggcc	420
cggctggggc	cggacatgga	ggacgtgtgc	ggccgcctgg	tgacgtaccg	cggcgagggtg	480
caggccatgc	tcgaccagag	caccgaggag	ctgcccgtgc	gcctcgcttc	ccacctgcgc	540
aagctgcgta	agcggctcct	ccgcgatgcc	gatgacctgc	agaagtgcct	ggcagtgtac	600
caggccgggg	cccgcgaggg	gcgcgagcgc	ggcctcagcg	ccatccgcga	gcgcctgggg	660
cccctggttg	aacagggccg	cgtgcggggc	gccactgtgg	gctccctggc	cggccagccg	720
ctacaggagc	gggcccaggc	ctggggcgag	cggctgcgcg	cgcggatgga	ggagatgggc	780
agccggaccc	gcgaccgcct	ggacgagggtg	aaggagcagg	tggcggagggt	gcgcgccaag	840
ctggaggagc	aggcccagca	gatacgcttg	caggccgagg	ccttccaggc	ccgcctcaag	900
agctggttcg	agcccctggt	ggaagacatg	cagcgccagt	gggcccgggt	ggtggagaag	960
gtgcaggctg	ccgtgggcac	cagcgccgcc	cctgtgccca	gcgacaatca	ctgaacgccg	1020
aagcctgcag	ccatgcgacc	ccacgccacc	ccgtgcctcc	tgccctccgcg	cagcctgcag	1080
cgggagaccc	tgtccccgcc	ccagccgtcc	tcctgggggtg	gaccctagtt	taataaagat	1140
tcaccaagtt	tcacgc					1156

<400> 13

Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
1 5 10 15
Gln Ala

<210> 14

<211> 317

<212> PRT

<213> Homo sapiens

<400> 14

Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
1 5 10 15
Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
20 25 30
Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu
35 40 45
Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln
50 55 60
Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
65 70 75 80
Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
85 90 95
Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
100 105 110
Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
115 120 125
Val Arg Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu
130 135 140
Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg
145 150 155 160
Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg
165 170 175
Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu
180 185 190
Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val
195 200 205
Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg
210 215 220
Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly
225 230 235 240
Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu
245 250 255
Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala
260 265 270
Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu
275 280 285
Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala
290 295 300
Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His
305 310 315

<210> 15

<211> 317

<212> PRT

<213> Homo sapiens

<400> 15

Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
1 5 10 15
Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
20 25 30
Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu
35 40 45
Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln
50 55 60
Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
65 70 75 80
Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
85 90 95
Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
100 105 110
Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
115 120 125
Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu
130 135 140
Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg
145 150 155 160
Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg
165 170 175
Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu
180 185 190
Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val
195 200 205
Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg
210 215 220
Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly
225 230 235 240
Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu
245 250 255
Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala
260 265 270
Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu
275 280 285
Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala
290 295 300
Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His
305 310 315

<210> 16

<211> 317

<212> PRT

<213> Homo sapiens

<400> 16

Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
1 5 10 15
Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
20 25 30
Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu
35 40 45
Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln

50	55	60
Val Gln Glu Glu Leu	Leu Ser Ser Gln Val	Thr Gln Glu Leu Arg Ala
65	70	75
Leu Met Asp Glu Thr	Met Lys Glu Leu Lys	Ala Tyr Lys Ser Glu Leu
85	90	95
Glu Glu Gln Leu Thr	Pro Val Ala Glu Thr	Arg Ala Arg Leu Ser
100	105	110
Lys Glu Leu Gln Ala	Ala Gln Ala Arg Leu	Gly Ala Asp Met Glu Asp
115	120	125
Val Cys Gly Arg Leu	Val Gln Tyr Arg Gly	Glu Val Gln Ala Met Leu
130	135	140
Gly Gln Ser Thr Glu	Glu Leu Arg Val Arg	Leu Ala Ser His Leu Arg
145	150	155
Lys Leu Arg Lys Arg	Leu Leu Arg Asp Ala	Asp Asp Leu Gln Lys Cys
165	170	175
Leu Ala Val Tyr Gln	Ala Gly Ala Arg Glu	Gly Ala Glu Arg Gly Leu
180	185	190
Ser Ala Ile Arg Glu	Arg Leu Gly Pro Leu	Val Glu Gln Gly Arg Val
195	200	205
Arg Ala Ala Thr Val	Gly Ser Leu Ala Gly	Gln Pro Leu Gln Glu Arg
210	215	220
Ala Gln Ala Trp Gly	Glu Arg Leu Arg Ala	Arg Met Glu Glu Met Gly
225	230	235
Ser Arg Thr Arg Asp	Arg Leu Asp Glu Val	Lys Glu Gln Val Ala Glu
245	250	255
Val Arg Ala Lys Leu	Glu Glu Gln Ala Gln	Gln Ile Arg Leu Gln Ala
260	265	270
Glu Ala Phe Gln Ala	Arg Leu Lys Ser Trp	Phe Glu Pro Leu Val Glu
275	280	285
Asp Met Gln Arg Gln	Trp Ala Gly Leu Val	Glu Lys Val Gln Ala Ala
290	295	300
Val Gly Thr Ser Ala	Ala Pro Val Pro Ser	Asp Asn His
305	310	315

<210> 17
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 17
Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
1 5 10 15
Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
20 25 30
Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu
35 40 45
Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln
50 55 60
Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
65 70 75 80
Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
85 90 95
Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
100 105 110
Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
115 120 125
Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu

	290		295		300
Val	Gly	Thr	Ser	Ala	Ala
305				310	Pro
					Val
					Pro
					Ser
					Asp
					315
					Asn
					His

Protein Data Bank